

Title (en)

MEDICAL SYSTEMS, DEVICES, AND RELATED METHODS

Title (de)

MEDIZINISCHE SYSTEME, VORRICHTUNGEN UND ZUGEHÖRIGE VERFAHREN

Title (fr)

SYSTÈMES MÉDICAUX, DISPOSITIFS, ET MÉTHODES ASSOCIÉES

Publication

**EP 3570719 A1 20191127 (EN)**

Application

**EP 18702043 A 20180112**

Priority

- US 201762447549 P 20170118
- US 2018013581 W 20180112

Abstract (en)

[origin: US2018199799A1] A device may include a first portion coupled to a shaft of an insertable medical device. The first portion may extend along a first portion longitudinal axis between a proximal end and a distal end. The first portion may include a protrusion extending radially outwardly of the first portion longitudinal axis. At least a portion of the first portion may be received within a lumen of a second portion. The second portion may be axially moveable along the first portion longitudinal axis relative to the first portion. The second portion may include a longitudinally extending channel. A spring may be located radially between the first portion and the second portion.

IPC 8 full level

**A61B 1/00** (2006.01); **A61B 1/005** (2006.01)

CPC (source: EP US)

**A61B 1/00066** (2013.01 - EP US); **A61B 1/00135** (2013.01 - EP US); **A61B 1/00147** (2013.01 - EP US); **A61B 1/0052** (2013.01 - EP US); **A61B 1/012** (2013.01 - US); **A61B 5/6847** (2013.01 - EP US); **A61B 5/6874** (2013.01 - EP US); **A61B 5/6885** (2013.01 - EP US); **A61B 1/00071** (2013.01 - US); **A61B 5/6852** (2013.01 - EP US); **A61B 2034/301** (2016.02 - US); **A61B 2090/064** (2016.02 - EP US); **A61M 2205/332** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 11602262 B2 20230314**; **US 2018199799 A1 20180719**; CN 110167415 A 20190823; CN 110167415 B 20230725; EP 3570719 A1 20191127; EP 3570719 B1 20210421; US 12102291 B2 20241001; US 2023181011 A1 20230615; WO 2018136334 A1 20180726

DOCDB simple family (application)

**US 201815870245 A 20180112**; CN 201880006155 A 20180112; EP 18702043 A 20180112; US 2018013581 W 20180112; US 202318167978 A 20230213